

G. E. WOLDT

#5  
JRE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/405,940  
DATE: 07/10/2000  
TIME: 14:51:36

Input Set : A:\09405940.txt  
Output Set: N:\CRF3\07102000\I405940.raw

ENTERED

SEQUENCE LISTING

C--> 5 (1) GENERAL INFORMATION:  
7 (i) APPLICANT: Hillman, Jennifer L.  
8 Corley, Neil C.  
C--> 10 (ii) TITLE OF INVENTION: T-CELL RECEPTOR BETA-LIKE PROTEIN  
12 (iii) NUMBER OF SEQUENCES: 4  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: Incyte Pharmaceuticals, Inc.  
16 (B) STREET: 3174 Porter Drive  
17 (C) CITY: Palo Alto  
18 (D) STATE: CA  
19 (E) COUNTRY: USA  
20 (F) ZIP: 94304  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Diskette  
24 (B) COMPUTER: IBM Compatible  
25 (C) OPERATING SYSTEM: DOS  
26 (D) SOFTWARE: FastSEQ for Windows Version 2.0  
C--> 28 (vi) CURRENT APPLICATION DATA:  
C--> 29 (A) APPLICATION NUMBER: US/09/405,940  
C--> 30 (B) FILING DATE: 27-Sep-1999  
31 (C) CLASSIFICATION:  
33 (vii) PRIOR APPLICATION DATA:  
34 (A) APPLICATION NUMBER: 08/897,097  
35 (B) FILING DATE:  
37 (viii) ATTORNEY/AGENT INFORMATION:  
38 (A) NAME: Billings, Lucy J.  
39 (B) REGISTRATION NUMBER: 36,749  
40 (C) REFERENCE/DOCKET NUMBER: PF-0346 US  
42 (ix) TELECOMMUNICATION INFORMATION:  
43 (A) TELEPHONE: 415-855-0555  
44 (B) TELEFAX: 415-845-4166  
45 (C) TELEX:  
48 (2) INFORMATION FOR SEQ ID NO: 1:  
50 (i) SEQUENCE CHARACTERISTICS:  
51 (A) LENGTH: 314 amino acids  
52 (B) TYPE: amino acid  
53 (C) STRANDEDNESS: single  
54 (D) TOPOLOGY: linear  
56 (vii) IMMEDIATE SOURCE:  
57 (A) LIBRARY: TONGTUT01  
58 (B) CLONE: 983910  
60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
62 Met Gly Thr Arg Leu Leu Cys Trp Ala Ala Leu Cys Leu Leu Gly Ala  
63 1 5 10 15  
64 Asp His Thr Gly Ala Gly Val Ser Gln Thr Pro Ser Asn Lys Val Thr  
65 20 25 30

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/405,940  
 DATE: 07/10/2000  
 TIME: 14:51:36

Input Set : A:\09405940.txt  
 Output Set: N:\CRF3\07102000\I405940.raw

```

66  Glu Lys Gly Lys Asp Val Glu Leu Arg Cys Asp Pro Ile Ser Gly His
67      35      40      45
68  Thr Ala Leu Tyr Trp Tyr Arg Gln Ser Leu Gly Gln Gly Pro Glu Phe
69      50      55      60
70  Leu Ile Tyr Phe Gln Gly Thr Gly Ala Ala Asp Ser Gly Leu Pro
71      65      70      75      80
72  Asn Asp Arg Phe Phe Ala Val Arg Pro Glu Gly Ser Val Ser Thr Leu
73      85      90      95
74  Lys Ile Gln Arg Thr Glu Gln Gly Asp Ser Ala Ala Tyr Leu Arg Ala
75      100     105     110
76  Gly Val Ala Ala Gly Trp Ser Ser Tyr Asn Glu Gln Tyr Phe Gly Pro
77      115     120     125
78  Gly Thr Arg Leu Thr Val Leu Glu Asp Leu Lys Asn Val Phe Pro Pro
79      130     135     140
80  Glu Val Ala Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln
81      145     150     155     160
82  Lys Ala Thr Leu Val Cys Leu Ala Thr Gly Phe Tyr Pro Asp His Val
83      165     170     175
84  Glu Leu Ser Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser
85      180     185     190
86  Thr Asp Pro Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg
87      195     200     205
88  Tyr Cys Leu Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn
89      210     215     220
90  Pro Arg Asn His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu
91      225     230     235     240
92  Asn Asp Glu Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val
93      245     250     255
94  Ser Ala Glu Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Glu Ser
95      260     265     270
96  Tyr Gln Gln Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu
97      275     280     285
98  Gly Lys Ala Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met
99      290     295     300
100 Ala Met Val Lys Arg Lys Asp Ser Arg Gly
101      305     310
103 (2) INFORMATION FOR SEQ ID NO: 2:
105   (i) SEQUENCE CHARACTERISTICS:
106       (A) LENGTH: 1200 base pairs
107       (B) TYPE: nucleic acid
108       (C) STRANDEDNESS: single
109       (D) TOPOLOGY: linear
111   (vii) IMMEDIATE SOURCE:
112       (A) LIBRARY: TONGTUT01
113       (B) CLONE: 983910
115   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
117 GTAAAGCTCC CATCCTGCCC TGA CTCTGTC ATGGGCACCA GGCTCCTCTG CTGGGCAGCC      60
118 CTGTGCCCTCC TGGGGGCAGA TCACACAGGT GCTGGAGTCT CCCAGACCCC CAGTAACAAG      120
119 GTCACAGAGA AGGGAAGA TGTAGAGCTC AGGTGTGATC CAATTTCAGG TCATACTGCC      180

```

RAW SEQUENCE LISTING                      DATE: 07/10/2000  
 PATENT APPLICATION: US/09/405,940        TIME: 14:51:36

Input Set : A:\09405940.txt  
 Output Set: N:\CRF3\07102000\I405940.raw

```

120 CTTTACTGGT ACCGACAAAG CCTGGGGCAG GCCCAGAGT TTCTAATTTA CTTCOAAGGC   240
121 ACGGGTGCGG CAGATGACTC AGGGCTGCCC AACGATCGGT TCTTTGCAGT CAGGCCTGAG   300
122 GGATCCGTCT CTAATCTGAA GATCCAGCGC ACAGAGCAGG GGGACTCAGC CGCGTATCTC   360
123 CGTGCCGGCG TTGCGGCGGG ATGGAGCTCC TACAATGAGC AGTATTTTGG CCCAGGCACC   420
124 CGGCTGACAG TGCTAGAGGA CCTGAAAAAC GTGTTCCAC CCGAGGTGCG TGTGTTTGAG   480
125 CCATCAGAAG CAGAGATCTC CCACACCCAA AAGGCCACAC TGGTGTGCTT GGCCACAGGC   540
126 TTCTACCCCG ACCACGTGGA GCTGAGCTGG TGGGTGAATG GGAAGGAGGT GCACAGTGGG   600
127 GTCAGCACAG ACCCGCAGCC CCTCAAGGAG CAGCCCGCCC TCAATGACTC CAGATACTGC   660
128 CTGAGCAGCC GCCTGAGGGT CTCGGCCACC TTCTGGCAGA ACCCCCGCAA CCACTTCCGC   720
129 TGTCAAGTCC AGTTCTACGG GCTCTCGGAG AATGACGAGT GGACCCAGGA TAGGGCCAAA   780
130 CCTGTCAACC AGATCGTCAG CGCCGAGGCC TGGGGTAGAG CAGACTGTGG CTTACCTTCC   840
131 GAGTCTTACC AGCAAGGGGT CCTGTCTGCC ACCATCCTCT ATGAGATCTT GCTAGGGAAG   900
132 GCCACCTTGT ATGCCGTGCT GGTCAAGTGC CTCGTGCTGA TGGCCATGGT CAAGAGAAAG   960
133 GATTCCAGAG GCTAGCTCCA AAACCATCCC AGGTCATTCT TCATCCTCAC CCAGATTCTT   1020
134 CCTGTACCTG CTCCTAATCT GTGTTCTTAA AAGTGATTCT CACTCTGCTT CTCATCTCTT   1080
135 ACTTACATGA ATACTTCTCT CTTTTTCTG TTCCCTGAA GATTGAGCTC CCAACCCCA   1140
136 AGTACGAAAT AGGCTAAACC AATAAAAAAT TGTGTGTTGG GCCTGGTTGC AAAAAA   1200
138 (2) INFORMATION FOR SEQ ID NO: 3:
140   (i) SEQUENCE CHARACTERISTICS:
141       (A) LENGTH: 311 amino acids
142       (B) TYPE: amino acid
143       (C) STRANDEDNESS: single
144       (D) TOPOLOGY: linear
146   (vii) IMMEDIATE SOURCE:
147       (A) LIBRARY: GenBank
148       (B) CLONE: 1100182
150   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
152 Met Gly Thr Ser Leu Leu Cys Trp Met Ala Leu Cys Leu Leu Gly Ala
153   1           5           10           15
154 Asp His Ala Asp Thr Gly Val Ser Gln Asn Pro Arg His Lys Ile Thr
155   20           25           30
156 Lys Arg Gly Gln Asn Val Thr Phe Arg Cys Asp Pro Ile Ser Glu His
157   35           40           45
158 Asn Arg Leu Tyr Trp Tyr Arg Gln Thr Leu Gly Gln Gly Pro Glu Phe
159   50           55           60
160 Leu Thr Tyr Phe Gln Asn Glu Ala Gln Leu Glu Lys Ser Arg Leu Leu
161   65           70           75           80
162 Ser Asp Arg Phe Ser Ala Glu Arg Pro Lys Gly Ser Phe Ser Thr Leu
163   85           90           95
164 Glu Ile Gln Arg Thr Glu Gln Gly Asp Ser Ala Met Tyr Leu Cys Ala
165   100          105          110
166 Ser Ser Pro Gly Thr Ser Tyr Glu Gln Tyr Phe Gly Pro Gly Thr Arg
167   115          120          125
168 Leu Thr Val Thr Glu Asp Leu Lys Asn Val Phe Pro Pro Glu Val Ala
169   130          135          140
170 Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr
171   145          150          155          160
172 Leu Val Cys Leu Ala Thr Gly Phe Tyr Pro Asp His Val Glu Leu Ser
173   165          170          175

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/405,940  
 DATE: 07/10/2000  
 TIME: 14:51:36

Input Set : A:\09405940.txt  
 Output Set: N:\CRF3\07102000\I405940.raw

```

174 Trp Trp Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro
175      180      185      190
176 Gln Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu
177      195      200      205
178 Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg Asn
179      210      215      220
180 His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn Asp Glu
181      225      230      235      240
182 Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val Ser Ala Glu
183      245      250      255
184 Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Glu Ser Tyr Gln Gln
185      260      265      270
186 Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile Leu Leu Gly Lys Ala
187      275      280      285
188 Thr Leu Tyr Ala Val Leu Val Ser Ala Leu Val Leu Met Ala Met Val
189      290      295      300
190 Lys Arg Lys Asp Ser Arg Gly
191      305      310
193 (2) INFORMATION FOR SEQ ID NO: 4:
195   (i) SEQUENCE CHARACTERISTICS:
196       (A) LENGTH: 310 amino acids
197       (B) TYPE: amino acid
198       (C) STRANDEDNESS: single
199       (D) TOPOLOGY: linear
201   (vii) IMMEDIATE SOURCE:
202       (A) LIBRARY: GenBank
203       (B) CLONE: 339012
205   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
207 Met Gly Thr Ser Leu Leu Cys Trp Met Ala Leu Cys Leu Leu Gly Ala
208   1      5      10      15
209 Asp His Ala Asp Thr Gly Val Ser Gln Asn Pro Arg His Asn Ile Thr
210      20      25      30
211 Lys Arg Gly Gln Asn Val Thr Phe Arg Cys Asp Pro Ile Ser Glu His
212      35      40      45
213 Asn Arg Leu Tyr Trp Tyr Arg Gln Thr Leu Gly Gln Gly Pro Glu Phe
214      50      55      60
215 Leu Thr Tyr Phe Gln Asn Glu Ala Gln Leu Glu Lys Ser Arg Leu Leu
216      65      70      75      80
217 Ser Asp Arg Phe Ser Ala Glu Arg Pro Lys Gly Ser Phe Ser Thr Leu
218      85      90      95
219 Glu Ile Gln Arg Thr Glu Gln Gly Asp Ser Ala Met Tyr Leu Cys Ala
220      100     105     110
221 Ser Ser Leu Ala Gly Leu Asn Gln Pro Gln His Phe Gly Asp Gly Thr
222      115     120     125
223 Arg Leu Ser Ile Leu Glu Asp Leu Asn Lys Val Phe Pro Pro Glu Val
224      130     135     140
225 Ala Val Phe Glu Pro Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala
226      145     150     155     160
227 Thr Leu Val Cys Leu Ala Thr Gly Ile Phe Pro Asp His Val Glu Leu

```

DATE: 07/10/2000

TIME: 14:51:36

Output Set: N:\CRF3\07102000\I405940.raw

[illegible]

VERIFICATION SUMMARY                      DATE: 07/10/2000  
PATENT APPLICATION: US/09/405,940        TIME: 14:51:37

Input Set : A:\09405940.txt  
Output Set: N:\CRF3\07102000\I405940.raw

L:5 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:10 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:28 M:220 C: Keyword misspelled or invalid format, [(vi) CURRENT APPLICATION DATA:]  
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]